



# STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: July 23, 2019

To,  
**Mr. Sandeep A. Dongare**  
at P-24 & G-8

**Subject:** Environment Clearance for Proposed expansion of Taloja CETP from 22.5 MLD to 27.5 MLD by Taloja CETP Co-op Society Ltd

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 139th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 170th meetings.


2. It is noted that the proposal is considered by SEAC-I under screening category B as per EIA Notification 2006.

## Brief Information of the project submitted by you is as below :-

1.Name of Project	Proposed expansion of Taloja CETP from 22.5 MLD to 27.5 MLD by Taloja CETP Co-op Society Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sandeep A. Dongare
4.Name of Consultant	ABC Techno Labs India Pvt Ltd ; Office Add: A-355, Balaji Bhavan, Plot 42 A, Sect 11, CBD Belapur, Navi Mumbai 400614 ; Tel : 022-2758 0044/55 ; Email ID: chaitanyasathe@abctechnolab.com
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion/Modernisation
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	P-24 & G-8
9.Taluka	Panvel
10.Village	Taloja
11.Whether in Corporation / Municipal / other area	MIDC Taloja
12.IOD/IOA/Concession/Plan Approval Number	Not applicable IOD/IOA/Concession/Plan Approval Number: Not applicable Approved Built-up Area: 33038
13.Note on the initiated work (If applicable)	None
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable

**SEIAA Meeting No: 170 Meeting Date: July 15, 2019 ( SEIAA-STATEMENT-000000526 )**  
**SEIAA-MINUTES-0000002301**  
**SEIAA-EC-0000001902**

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**Shri. Anil Diggikar (Member Secretary SEIAA)**

17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	250598956



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22.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Treated Effluent	22.5 MLD	5 MLD	27.5 MLD
23.Total Water Requirement				
Dry season:	Source of water	Not applicable		
	Fresh water (CMD):	Not applicable		
	Recycled water - Flushing (CMD):	Not applicable		
	Recycled water - Gardening (CMD):	Not applicable		
	Swimming pool make up (Cum):	Not applicable		
	Total Water Requirement (CMD) :	Not applicable		
	Fire fighting - Underground water tank(CMD):	Not applicable		
	Fire fighting - Overhead water tank(CMD):	Not applicable		
	Excess treated water	Not applicable		
Wet season:	Source of water	Not applicable		
	Fresh water (CMD):	Not applicable		
	Recycled water - Flushing (CMD):	Not applicable		
	Recycled water - Gardening (CMD):	Not applicable		
	Swimming pool make up (Cum):	Not applicable		
	Total Water Requirement (CMD) :	Not applicable		
	Fire fighting - Underground water tank(CMD):	Not applicable		
	Fire fighting - Overhead water tank(CMD):	Not applicable		
	Excess treated water	Not applicable		
Details of Swimming pool (If any)	Not applicable			

24.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	The total Existing water consumption is 15 CMD including 10 CMD of Domestic use.	0	10	2	0	2	8	0	8
Industrial Process	The total Existing water consumption is 15 CMD including 10 CMD of Domestic use.	5	5	0	0	0	0	0	0
Gardening	The total Existing water consumption is 15 CMD including 10 CMD of Domestic use.	0	5	0	0	0	0	0	0
25.Rain Water Harvesting (RWH)	Level of the Ground water table:	Not applicable							
	Size and no of RWH tank(s) and Quantity:	Not applicable							
	Location of the RWH tank(s):	In future the rainwater from the roof area will be carried down by down take pipes and discharged into the collection tank from where it will be used for processing plants and landscaping. The surface runoff will be diverted to the nearby storm water drain.							
	Quantity of recharge pits:	Not applicable							
	Size of recharge pits :	Not applicable							
	Budgetary allocation (Capital cost) :	Not applicable							
	Budgetary allocation (O & M cost) :	Not applicable							
	Details of UGT tanks if any :	Not applicable							
26.Storm water drainage	Natural water drainage pattern:	The storm water will have a natural flow and will be discharged into near by Storm Water Drain.							
	Quantity of storm water:	-							
	Size of SWD:	6m x 2m							

<b>27.Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	8 m3/day of sewage will be generated
	<b>STP technology:</b>	Sewage generated will be treated in the CETP itself.
	<b>Capacity of STP (CMD):</b>	Not applicable
	<b>Location &amp; area of the STP:</b>	Not applicable
	<b>Budgetary allocation (Capital cost):</b>	Not applicable
	<b>Budgetary allocation (O &amp; M cost):</b>	Not applicable



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28.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	The solid waste generation on the proposed site will be due to the various construction materials like cement, bricks, steel, sand stone, paint and varnishes.
	Disposal of the construction waste debris:	Most of the construction materials like soil, bricks, concrete will be reused for back filling and road construction works
Waste generation in the operation Phase:	Dry waste:	Municipal solid waste generation will be negligible
	Wet waste:	Municipal solid waste generation will be negligible
	Hazardous waste:	After expansion a total 16 MT/day of sludge will be generated.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	Dry waste:	Will be handled by Local Body
	Wet waste:	Will be handled by Local Body
	Hazardous waste:	It will be disposed to MPCB authorized CHWTSDf, Taloja.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	Sludge Drying Beds for Sludge (For CETP)
	Area for the storage of waste & other material:	2169 m <sup>2</sup>
	Area for machinery:	48.5 m <sup>2</sup>
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1,67,00,000
	O & M cost:	50,00,000

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29.Effluent Charecterestics					
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	COD	mg/L	2700	250	250
2	BOD	mg/L	1000	100	100
3	TSS	mg/L	500	100	100
4	pH	-	5.5-9.0	7.3-7.7	7.3-7.7
Amount of effluent generation (CMD):		27.5 MLD (CETP)			
Capacity of the ETP:		27.5 MLD (CETP)			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Note on CETP technology attached as annexure			
Disposal of the ETP sludge		16 MT/day of CETP sludge will be generated which will be disposed to CHWTSDF, Taloja.			

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30.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP sludge	34.3	MT/day	7	9	16	CHWTSDF, Taloja
31.Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	DG sets (750 kVA)	High Speed Diesel	1	3.5m (above roof)	0.3	125°C	
32.Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	High Speed Diesel	-	-	Will be required only in case of power failure			
33.Source of Fuel		-					
34.Mode of Transportation of fuel to site		By Road					
35.Energy							
Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Co. Ltd					
	During Construction Phase: (Demand Load)	921 KVA					
	DG set as Power back-up during construction phase	500 KVA					
	During Operation phase (Connected load):	180 kVA					
	During Operation phase (Demand load):	180 kVA					
	Transformer:	1000 KVA					
	DG set as Power back-up during operation phase:	1 x 750 kVA					
	Fuel used:	High Speed Diesel					
	Details of high tension line passing through the plot if any:	Not applicable					
Energy saving by non-conventional method:							
Not applicable							
36.Detail calculations & % of saving:							
Serial Number	Energy Conservation Measures				Saving %		



1	-	-					
37.Details of pollution control Systems							
Source	Existing pollution control system	Proposed to be installed					
Not applicable	Not applicable	Not applicable					
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	25,00,000					
	O & M cost:	10,55,000					
38.Environmental Management plan Budgetary Allocation							
a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Water for Dust Suppression	Dust control	0.75				
2	Site Sanitation, Safety & Disinfection	Workers health	2.0				
3	Environmental Monitoring	Air, Water, Noise, Soil sampling & testing	5.0				
4	Health Check up	Routine Health checkup for workers	0.5				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Air Pollution Control	-	10.0	2.0			
2	Water Pollution Control	-	5.0	2.0			
3	Environment Monitoring And Management	Air, Water, Noise, Soil sampling	5.0	8.0			
4	Occupational Health	Routine Health checkup for workers	0.5	1.0			
5	Green Belt	Tree pantation and green belt development	1.0	2.0			
6	Solid waste management	-	1.0	180.0			
39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Poly Aluminum chloride	-	FRP Tank	-	80 Tons	500	Local Industires	By Road
Polyelectrolyte	-	Chemical House	-	-	0.2	Local Industires	By Road

Ferrous Sulphate	-	Chemical House	-	-	8	Local Industries	By Road
Lime	-	Chemical House	-	-	10	Local Industries	By Road
<b>40.Any Other Information</b>							
No Information Available							



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	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	More than 10 km radius
	<b>Category as per schedule of EIA Notification sheet</b>	B
	<b>Court cases pending if any</b>	None
	<b>Other Relevant Informations</b>	Not applicable
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

**3. The proposal has been considered by SEIAA in its 170th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:**

**Specific Conditions:**

<b>I</b>	PP to maintain 33% green coverage on site and submit a copy of plan showing location of green belt.
<b>II</b>	PP to submit copy of tripartite agreement with industries, MIDC and Industrial Association.
<b>III</b>	PP to submit layout plan showing entry and exit of the tankers in case effluent transferred by tanker.
<b>IV</b>	PP to obtain and submit letter from MIDC mentioning the work of storm water drain is completed and there is no risk of flooding.
<b>V</b>	PP to comply with the conditions laid down by MPCB for treated effluent and its disposal.
<b>VI</b>	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF&CC dated 9th August, 2018.
<b>VII</b>	PP to submit CER plan to collector, and submit the acknowledgement copy to Member Secretary, SEIAA.
<b>VIII</b>	PP to maintain over all 33% green coverage

**General Conditions:**

<b>I</b>	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
<b>II</b>	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
<b>III</b>	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
<b>IV</b>	Proper Housekeeping programmers shall be implemented.
<b>V</b>	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
<b>VI</b>	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
<b>VII</b>	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
<b>VIII</b>	Arrangement shall be made that effluent and storm water does not get mixed.
<b>IX</b>	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
<b>X</b>	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.

<b>XI</b>	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
<b>XII</b>	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
<b>XIII</b>	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
<b>XIV</b>	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
<b>XV</b>	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
<b>XVI</b>	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
<b>XVII</b>	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
<b>XVIII</b>	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
<b>XIX</b>	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
<b>XX</b>	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>
<b>XXI</b>	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
<b>XXII</b>	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
<b>XXIII</b>	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
<b>XXIV</b>	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
<b>XXV</b>	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

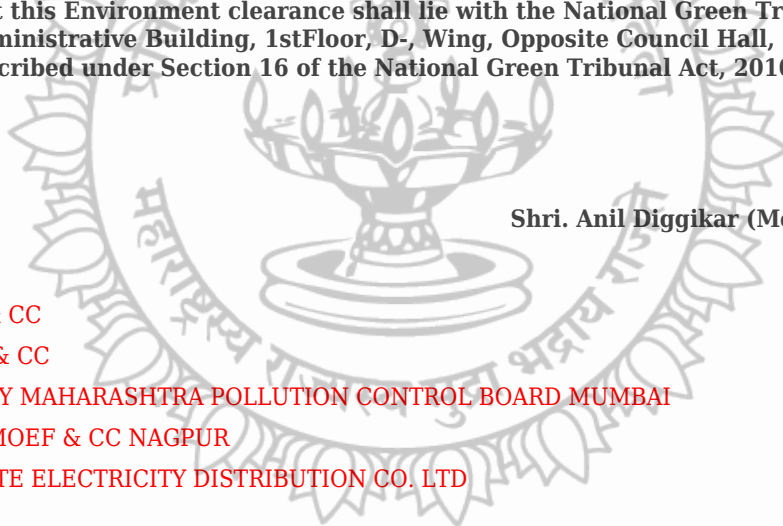
6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Shri. Anil Diggikar (Member Secretary SEIAA)

**Copy to:**

1. SECRETARY MOEF & CC
2. IA- DIVISION MOEF & CC
3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
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